



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT, OPERATIONS

October 26, 1978

Mr. W.C. Seidle, Chief
Reactor Construction and
Engineering Support Branch
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive Suite 1000
Arlington, Texas 76011

Subj: Final Report - Investigation of Low Strength
90-Day Concrete Test Cylinders
Ref: STN 50-482/Rpt 78-04

Dear Mr. Seidle:

The investigation of the low strength results obtained from the reactor building base mat 90-day concrete test cylinders has been completed. The attached letter dated October 24, 1978, from J.L. Turdera, Bechtel's Project Engineering Manager for SNUPPS, summarizes the studies which were conducted and the results obtained.

We believe these studies adequately demonstrate that the in-situ strength of the reactor building base mat concrete is considerably above the 5000 psi design strength and that the apparent low strength of a portion of the 90-day cylinders was due to testing conditions in measuring their actual strength.

The studies summarized in Mr. Turdera's letter, including the report transmitted to you with my letter of May 25, are on file at the Wolf Creek Site and may be reviewed by NRC personnel during any future on-site inspection.

Please advise if you need additional information.

Yours very truly,

GLK:bb
Attach

cc: JOArterburn
EWCree1
WEHitt (Daniel)
DTMcPhee (KCPL)
Attach to Cys

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